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**BYTEWISE ANDROID FLUTTER FELLOWSHIP**

Minal Fatima Task 01 15 March,2023

**Question 1: What is flutter?**

Flutter is an open-source mobile app development framework created by Google in May 2017. It is used to build beautiful, natively compiled, multi-platform apps from a single codebase. Flutter allows developers to use a reactive programming model that is similar to reactive programming in web frameworks. It provides a rich set of pre-designed widgets and tools that allow developers to quickly create and customize high-quality user interfaces. Additionally, Flutter can compile your code directly into machine code for the target platform, which results in fast performance and can create apps for Android, iOS, web, desktop, and more.

**Question 2: How flutter works?**

Flutter works by using a reactive programming model, where the UI is built as a function of the application state. Flutter uses a declarative approach, where developers specify the desired end-state of the UI, and Flutter takes care of updating the UI as the state changes. This approach is in contrast to the imperative approach used by traditional mobile application development frameworks, where developers specify the exact steps to build and update the UI.

**Question 3: Why we use flutter instead of using native platforms?**

There are several reasons why developers may choose to use Flutter instead of native platforms:

1. Faster development cycle
2. Cross-platform development
3. Consistent UI
4. Access to a rich set of widgets
5. Growing community and ecosystem